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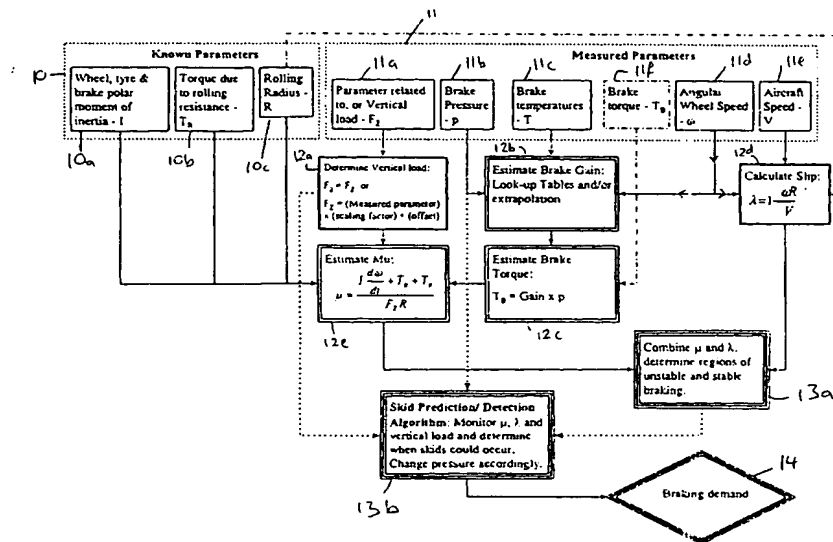
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**Declaration under Rule 4.17:**

— as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii)) for the following designations AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW. ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European

[Continued on next page]

(54) Title: AIRCRAFT BRAKING METHOD AND APPARATUS



(57) Abstract: An aircraft is decelerated by applying a braking force to a wheel of the aircraft as it moves along the ground. An anti skid controller calculates the braking force to be applied by taking into account data (boxes 11a, 12a) relating to the vertical load transmitted between the ground and the wheel and data (boxes 11d, 11e and 12d) relating to the slip between the ground and the wheel. Predictions (box 13b) made regarding how the vertical load will change and data (box 13a) concerning the relationship between slip and the ground to wheel friction coefficient are both taken into account when calculating (boxes 13b, 14) the braking force to be applied. Skids may thereby be predicted in advance and may be reduced or even avoided.

## INTERNATIONAL SEARCH REPORT

Rec'd PCT/PTO

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International Application No

PCT/GB/02506

**A. CLASSIFICATION OF SUBJECT MATTER**  
 IPC 7 B60T8/00 B60T8/32

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 B60T

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	GB 1 018 548 A (NORTH AMERICAN AVIATION INC) 26 January 1966 (1966-01-26) page 4, line 29 -page 5, line 81 page 8, line 1 -page 9, line 21; figure 2	1-17
X	US 4 958 512 A (JOHNSEN ODDVARD) 25 September 1990 (1990-09-25) column 3, line 22 -column 4, line 53 column 5, line 36 -column 6, line 39	1-17
X	GB 1 077 636 A (MATERIELS HISPANOSUIZA SOC D E) 2 August 1967 (1967-08-02) page 2, line 38 -page 3, line 125	1-17
X	US 5 167 385 A (HAEFNER HANS W) 1 December 1992 (1992-12-01)  column 5, line 19 -column 6, line 25  -/-	1,2, 5-10,12, 15-17

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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Date of the actual completion of the international search

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International Application No

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 4 613 190 A (JOHNSON STUART E) 23 September 1986 (1986-09-23) column 6, line 9 -column 7, line 29	1-4, 11-14

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Information on patent family members

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